Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/04/2019 01:18 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125885	0	1.92	125989	1.89
Blue	F	SSC	125000	123461	-2	1.60	124277	1.57
Blue	E	FITC	16122	15710	-3	2.88	343	20.34
Blue	D	PE	29316	28798	-2	2.00	629	14.68
Blue	B	PerCP-Cy5-5	42590	42122	-2	3.68	1138	20.39
Blue	A	PE-Cy7	33146	33606	1	6.09	642	40.66
Red	C	APC	45473	44707	-2	2.56	1585	12.10
Red	A	APC-Cy7	31961	31196	-3	2.53	827	12.03
Violet	B	V450	7914	7405	-7	4.57	412	13.35
Violet	A	V500	29769	28415	-5	4.27	660	11.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21558	3.73	609	9	N/A	N/A	Pass
Blue	F	SSC	56002	1.17	552	14	N/A	N/A	Pass
Blue	E	FITC	63	63.54	541	4	0.0193	136	Pass
Blue	D	PE	132	49.42	543	6	0.1646	276	Pass
Blue	B	PerCP-Cy5-5	209	49.42	646	8	0.0089	42	Pass
Blue	A	PE-Cy7	120	101.34	701	10	0.0110	19	Pass
Red	C	APC	377	25.42	585	6	0.0247	174	Pass
Red	A	APC-Cy7	183	29.07	562	6	0.0056	1157	Pass
Violet	B	V450	64	60.23	462	2	0.0531	2232	Pass
Violet	A	V500	99	34.44	475	3	0.0200	650	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.88	-31.62	1.00
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.52
Red	16.26	13.60 - 20.40	N/A	N/A	29.22	29.65	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10170

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments